

S. Kaushal

CRF Errors Corrected by the STIC Systems Branch

581518
11/5/01
10/17/2001

Serial Number:

09/042,488A

CRF Processing Date:

Edited by:

Verified by:

(STIC stat

ENTERED

☐

Changed a file from non-ASCII to ASCII

☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____

☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included: . . .

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☐

Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____

☐

Inserted mandatory headings, specifically: _____

☐

Corrected an obvious error in the response, specifically: _____

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically: _____

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☒

Other:

corrected spelling of RELATED in C1207 response

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/042,488A

DATE: 10/11/2001
TIME: 13:39:29

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\10112001\I042488A.raw

3 <110> APPLICANT: EVANS, RONALD M.
4 NO, DAVID
5 SAEZ, ENRIQUE
7 <120> TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF EXOGENOUS GENES IN
8 MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
10 <130> FILE REFERENCE: SALK1520-2
12 <140> CURRENT APPLICATION NUMBER: 09/042,488A
13 <141> CURRENT FILING DATE: 1998-03-16
15 <150> PRIOR APPLICATION NUMBER: 08/974,530
16 <151> PRIOR FILING DATE: 1997-11-19
18 <150> PRIOR APPLICATION NUMBER: 08/628,830
19 <151> PRIOR FILING DATE: 1996-04-05
21 <160> NUMBER OF SEQ ID NOS: 18
23 <170> SOFTWARE: PatentIn Ver. 2.1
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36 <222> LOCATION: (2)..(3)
37 <223> OTHER INFORMATION: Any amino acid
39 <220> FEATURE:
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41 <222> LOCATION: (5)..(6)
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45 <221> NAME/KEY: MOD_RES
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60 <221> NAME/KEY: MOD_RES
61 <222> LOCATION: (14)..(17)
62 <223> OTHER INFORMATION: Any amino acid
64 <220> FEATURE:
65 <221> NAME/KEY: MOD_RES

RAW SEQUENCE LISTING

DATE: 10/11/2001

PATENT APPLICATION: US/09/042,488A

TIME: 13:39:29

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10112001\I042488A.raw

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 117 <223> OTHER INFORMATION: Any amino acid
 119 <400> SEQUENCE: 1

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 121 1 5 10 15
 W--> 123 Xaa Cys Xaa Xaa Cys Lys Xaa Phe Phe Xaa Arg Xaa Xaa Xaa Xaa
 124 20 25 30
 W--> 126 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 127 35 40 45

RAW SEQUENCE LISTING

DATE: 10/11/2001

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10112001\I042488A.raw

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W--> 129 Xaa Xaa Xaa Lys Xaa Xaa Arg Xaa Xaa Cys Xaa Xaa Cys Arg Xaa Xaa
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145 <400> SEQUENCE: 2
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147      1                      5
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151 <211> LENGTH: 5
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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164 <210> SEQ ID NO: 4
165 <211> LENGTH: 2241
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173 <220> FEATURE:
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175 <222> LOCATION: (1)..(2238)
177 <400> SEQUENCE: 4
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180      1                      5                      10                      15
182 ggc gag gac gtg gcg atg gcg cat gcc gac gcg cta gac gat ttc gat      96
183 Gly Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp
184      20                      25                      30
186 ctg gac atg ttg ggg gac ggg gat tcc ccg ggt ccg gga ttt acc ccc      144
187 Leu Asp Met Leu Gly Asp Gly Asp Ser Pro Gly Pro Gly Phe Thr Pro
188      35                      40                      45
190 cac gac tcc gcc ccc tac ggc gct ctg gat atg gcc gac ttc gag ttt      192
191 His Asp Ser Ala Pro Tyr Gly Ala Leu Asp Met Ala Asp Phe Glu Phe
192      50                      55                      60
194 gag cag atg ttt acc gat gcc ctt gga att gac gag tac ggt ggg aag      240
195 Glu Gln Met Phe Thr Asp Ala Leu Gly Ile Asp Glu Tyr Gly Gly Lys

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TIME: 13:39:29

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10112001\I042488A.raw

196	65		70		75		80	
198	ctt cta ggt acc tct aga agg ata tcg aat tct ata tct tca ggt cgc	288						
199	Leu Leu Gly Thr Ser Arg Arg Ile Ser Asn Ser Ile Ser Ser Gly Arg							
200		85		90		95		
202	gat gat ctc tcg cct tcg agc agc ttg aac gga tac tcg gcg aac gaa	336						
203	Asp Asp Leu Ser Pro Ser Ser Ser Leu Asn Gly Tyr Ser Ala Asn Glu							
204		100		105		110		
206	agc tgc gat gcg aag aag agc aag aag gga cct gcg cca cgg gtg caa	384						
207	Ser Cys Asp Ala Lys Lys Ser Lys Lys Gly Pro Ala Pro Arg Val Gln							
208		115		120		125		
210	gag gag ctg tgc ctg gtt tgc ggc gac agg gcc tcc ggc tac cac tac	432						
211	Glu Glu Leu Cys Leu Val Cys Gly Asp Arg Ala Ser Gly Tyr His Tyr							
212		130		135		140		
214	aac gcc ctc acc tgt gga tcc tgc aag gtg ttc ttt cga cgc agc gtt	480						
215	Asn Ala Leu Thr Cys Gly Ser Cys Lys Val Phe Phe Arg Arg Ser Val							
216		145		150		155		160
218	acg aag agc gcc gtc tac tgc tgc aag ttc ggg cgc gcc tgc gaa atg	528						
219	Thr Lys Ser Ala Val Tyr Cys Cys Lys Phe Gly Arg Ala Cys Glu Met							
220		165		170		175		
222	gac atg tac atg agg cga aag tgt cag gag tgc cgc ctg aaa aag tgc	576						
223	Asp Met Tyr Met Arg Arg Lys Cys Gln Glu Cys Arg Leu Lys Lys Cys							
224		180		185		190		
226	ctg gcc gtg ggt atg cgg ccg gaa tgc gtc gtc ccg gag aac caa tgt	624						
227	Leu Ala Val Gly Met Arg Pro Glu Cys Val Val Pro Glu Asn Gln Cys							
228		195		200		205		
230	gcg atg aag cgg cgc gaa aag aag gcc cag aag gag aag gac aaa atg	672						
231	Ala Met Lys Arg Arg Glu Lys Lys Ala Gln Lys Glu Lys Asp Lys Met							
232		210		215		220		
234	acc act tcg ccg agc tct cag cat ggc ggc aat ggc agc ttg gcc tct	720						
235	Thr Thr Ser Pro Ser Ser Gln His Gly Gly Asn Gly Ser Leu Ala Ser							
236		225		230		235		240
238	ggt ggc ggc caa gac ttt gtt aag aag gag att ctt gac ctt atg aca	768						
239	Gly Gly Gly Gln Asp Phe Val Lys Lys Glu Ile Leu Asp Leu Met Thr							
240		245		250		255		
242	tgc gag ccg ccc cag cat gcc act att ccg cta cta cct gat gaa ata	816						
243	Cys Glu Pro Pro Gln His Ala Thr Ile Pro Leu Leu Pro Asp Glu Ile							
244		260		265		270		
246	ttg gcc aag tgt caa gcg cgc aat ata cct tcc tta acg tac aat cag	864						
247	Leu Ala Lys Cys Gln Ala Arg Asn Ile Pro Ser Leu Thr Tyr Asn Gln							
248		275		280		285		
250	ttg gcc gtt ata tac aag tta att tgg tac cag gat ggc tat gag cag	912						
251	Leu Ala Val Ile Tyr Lys Leu Ile Trp Tyr Gln Asp Gly Tyr Glu Gln							
252		290		295		300		
254	cca tct gaa gag gat ctc agg cgt ata atg agt caa ccc gat gag aac	960						
255	Pro Ser Glu Glu Asp Leu Arg Arg Ile Met Ser Gln Pro Asp Glu Asn							
256		305		310		315		320
258	gag agc caa acg gac gtc agc ttt cgg cat ata acc gag ata acc ata	1008						
259	Glu Ser Gln Thr Asp Val Ser Phe Arg His Ile Thr Glu Ile Thr Ile							
260		325		330		335		

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DATE: 10/11/2001

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TIME: 13:39:29

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10112001\I042488A.raw

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262 ctc acg gtc cag ttg att gtt gag ttt gct aaa ggt cta cca gcg ttt 1056
263 Leu Thr Val Gln Leu Ile Val Glu Phe Ala Lys Gly Leu Pro Ala Phe
264          340          345          350
266 aca aag ata ccc cag gag gac cag atc acg tta cta aag gcc tgc tcg 1104
267 Thr Lys Ile Pro Gln Glu Asp Gln Ile Thr Leu Leu Lys Ala Cys Ser
268          355          360          365
270 tcg gag gtg atg atg ctg cgt atg gca cga cgc tat gac cac agc tcg 1152
271 Ser Glu Val Met Met Leu Arg Met Ala Arg Arg Tyr Asp His Ser Ser
272          370          375          380
274 gac tca ata ttc ttc gcg aat aat aga tca tat acg cgg gat tct tac 1200
275 Asp Ser Ile Phe Phe Ala Asn Asn Arg Ser Tyr Thr Arg Asp Ser Tyr
276 385          390          395          400
278 aaa atg gcc gga atg gct gat aac att gaa gac ctg ctg cat ttc tgc 1248
279 Lys Met Ala Gly Met Ala Asp Asn Ile Glu Asp Leu Leu His Phe Cys
280          405          410          415
282 cgc caa atg ttc tcg atg aag gtg gac aac gtc gaa tac gcg ctt ctc 1296
283 Arg Gln Met Phe Ser Met Lys Val Asp Asn Val Glu Tyr Ala Leu Leu
284          420          425          430
286 act gcc att gtg atc ttc tcg gac cgg ccg ggc ctg gag aag gcc caa 1344
287 Thr Ala Ile Val Ile Phe Ser Asp Arg Pro Gly Leu Glu Lys Ala Gln
288          435          440          445
290 cta gtc gaa gcg atc cag agc tac tac atc gac acg cta cgc att tat 1392
291 Leu Val Glu Ala Ile Gln Ser Tyr Tyr Ile Asp Thr Leu Arg Ile Tyr
292          450          455          460
294 ata ctc aac cgc cac tgc ggc gac tca atg agc ctc gtc ttc tac gca 1440
295 Ile Leu Asn Arg His Cys Gly Asp Ser Met Ser Leu Val Phe Tyr Ala
296 465          470          475          480
298 aag ctg ctc tcg atc ctc acc gag ctg cgt acg ctg ggc aac cag aac 1488
299 Lys Leu Leu Ser Ile Leu Thr Glu Leu Arg Thr Leu Gly Asn Gln Asn
300          485          490          495
302 gcc gag atg tgt ttc tca cta aag ctc aaa aac cgc aaa ctg ccc aag 1536
303 Ala Glu Met Cys Phe Ser Leu Lys Leu Lys Asn Arg Lys Leu Pro Lys
304          500          505          510
306 ttc ctc gag gag atc tgg gac gtt cat gcc atc ccg cca tcg gtc cag 1584
307 Phe Leu Glu Glu Ile Trp Asp Val His Ala Ile Pro Pro Ser Val Gln
308          515          520          525
310 tcg cac ctt cag att acc cag gag gag aac gag cgt ctc gag cgg gct 1632
311 Ser His Leu Gln Ile Thr Gln Glu Glu Asn Glu Arg Leu Glu Arg Ala
312          530          535          540
314 gag cgt atg cgg gca tcg gtt ggg ggc gcc att acc gcc ggc att gat 1680
315 Glu Arg Met Arg Ala Ser Val Gly Gly Ala Ile Thr Ala Gly Ile Asp
316 545          550          555          560
318 tgc gac tct gcc tcc act tcg gcg gcg gca gcc gcg gcc cag cat cag 1728
319 Cys Asp Ser Ala Ser Thr Ser Ala Ala Ala Ala Ala Gln His Gln
320          565          570          575
322 cct cag cct cag ccc cag ccc caa ccc tcc tcc ctg acc cag aac gat 1776
323 Pro Gln Pro Gln Pro Gln Pro Gln Pro Ser Ser Leu Thr Gln Asn Asp
324          580          585          590
326 tcc cag cac cag aca cag ccg cag cta caa cct cag cta cca cct cag 1824

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Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 10/11/2001

PATENT APPLICATION: US/09/042,488A

TIME: 13:39:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10112001\I042488A.raw

L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:1417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:1435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

1600

RAW SEQUENCE LISTING

DATE: 10/11/2001

PATENT APPLICATION: US/09/042,488A

TIME: 12:42:09

Input Set : A:\Sa1520-2.app

Output Set: N:\CRF3\10112001\I042488A.raw

Does Not Comply
Corrected Diskette Needed

P.S.

3 <110> APPLICANT: EVANS, RONALD M.
 4 NO, DAVID
 5 SAEZ, ENRIQUE
 7 <120> TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF EXOGENOUS GENES IN
 8 MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
 10 <130> FILE REFERENCE: SALK1520-2
 12 <140> CURRENT APPLICATION NUMBER: 09/042,488A
 13 <141> CURRENT FILING DATE: 1998-03-16
 15 <150> PRIOR APPLICATION NUMBER: 08/974,530
 16 <151> PRIOR FILING DATE: 1997-11-19
 18 <150> PRIOR APPLICATION NUMBER: 08/628,830
 19 <151> PRIOR FILING DATE: 1996-04-05
 21 <160> NUMBER OF SEQ ID NOS: 18
 23 <170> SOFTWARE: PatentIn Ver. 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 71
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
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 32 peptide sequence
 34 <220> FEATURE:
 35 <221> NAME/KEY: MOD_RES /
 36 <222> LOCATION: (2)..(3)
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 56 <222> LOCATION: (12)
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/042,488A

DATE: 10/11/2001

TIME: 12:42:09

Input Set : A:\Sal520-2.app

Output Set: N:\CRF3\10112001\I042488A.raw

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W--> 123 Xaa Cys Xaa Xaa Cys Lys Xaa Phe Phe Xaa Arg Xaa Xaa Xaa Xaa
      124 20 25 30
W--> 126 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys
      127 35 40 45

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/042,488A

DATE: 10/11/2001
TIME: 12:42:09

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Output Set: N:\CRF3\10112001\I042488A.raw

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W--> 129 Xaa Xaa Xaa Lys Xaa Xaa Arg Xaa Xaa Cys Xaa Xaa Cys Arg Xaa Xaa
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W--> 132 Lys Cys Xaa Xaa Xaa Gly Met
      133      65      70
136 <210> SEQ ID NO: 2
137 <211> LENGTH: 5
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
143     peptide
145 <400> SEQUENCE: 2
146 Glu Gly Cys Lys Gly
147     1           5
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152 <212> TYPE: PRT
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157     peptide
159 <400> SEQUENCE: 3
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161     1           5
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 2241
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175 <222> LOCATION: (1)..(2238)
177 <400> SEQUENCE: 4
178 atg gcc ccc ccg acc gat gtc agc ctg ggg gac gag ctc cac tta gac      48
179 Met Ala Pro Pro Thr Asp Val Ser Leu Gly Asp Glu Leu His Leu Asp
180     1           5           10           15
182 ggc gag gac gtg gcg atg gcg cat gcc gac gcg cta gac gat ttc gat      96
183 Gly Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp
184     20           25           30
186 ctg gac atg ttg ggg gac ggg gat tcc ccg ggt ccg gga ttt acc ccc      144
187 Leu Asp Met Leu Gly Asp Gly Asp Ser Pro Gly Pro Gly Phe Thr Pro
188     35           40           45
190 cac gac tcc gcc ccc tac ggc gct ctg gat atg gcc gac ttc gag ttt      192
191 His Asp Ser Ala Pro Tyr Gly Ala Leu Asp Met Ala Asp Phe Glu Phe
192     50           55           60
194 gag cag atg ttt acc gat gcc ctt gga att gac gag tac ggt ggg aag      240
195 Glu Gln Met Phe Thr Asp Ala Leu Gly Ile Asp Glu Tyr Gly Gly Lys

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RAW SEQUENCE LISTING

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Input Set : A:\Sal520-2.app

Output Set: N:\CRF3\10112001\I042488A.raw

196	65					70						75					80	
198	ctt	cta	ggt	acc	tct	aga	agg	ata	tcg	aat	tct	ata	tct	tca	ggt	cgc		288
199	Leu	Leu	Gly	Thr	Ser	Arg	Arg	Ile	Ser	Asn	Ser	Ile	Ser	Ser	Gly	Arg		
200					85					90					95			
202	gat	gat	ctc	tcg	cct	tcg	agc	agc	ttg	aac	gga	tac	tcg	gcg	aac	gaa		336
203	Asp	Asp	Leu	Ser	Pro	Ser	Ser	Ser	Leu	Asn	Gly	Tyr	Ser	Ala	Asn	Glu		
204				100					105					110				
206	agc	tgc	gat	gcg	aag	aag	agc	aag	aag	gga	cct	gcg	cca	cgg	gtg	caa		384
207	Ser	Cys	Asp	Ala	Lys	Lys	Ser	Lys	Lys	Gly	Pro	Ala	Pro	Arg	Val	Gln		
208			115					120					125					
210	gag	gag	ctg	tgc	ctg	gtt	tgc	ggc	gac	agg	gcc	tcc	ggc	tac	cac	tac		432
211	Glu	Glu	Leu	Cys	Leu	Val	Cys	Gly	Asp	Arg	Ala	Ser	Gly	Tyr	His	Tyr		
212		130					135				140							
214	aac	gcc	ctc	acc	tgt	gga	tcc	tgc	aag	gtg	ttc	ttt	cga	cgc	agc	gtt		480
215	Asn	Ala	Leu	Thr	Cys	Gly	Ser	Cys	Lys	Val	Phe	Phe	Arg	Arg	Ser	Val		
216	145				150					155					160			
218	acg	aag	agc	gcc	gtc	tac	tgc	tgc	aag	ttc	ggg	cgc	gcc	tgc	gaa	atg		528
219	Thr	Lys	Ser	Ala	Val	Tyr	Cys	Cys	Lys	Phe	Gly	Arg	Ala	Cys	Glu	Met		
220				165					170					175				
222	gac	atg	tac	atg	agg	cga	aag	tgt	cag	gag	tgc	cgc	ctg	aaa	aag	tgc		576
223	Asp	Met	Tyr	Met	Arg	Arg	Lys	Cys	Gln	Glu	Cys	Arg	Leu	Lys	Lys	Cys		
224				180					185					190				
226	ctg	gcc	gtg	ggt	atg	cgg	ccg	gaa	tgc	gtc	gtc	ccg	gag	aac	caa	tgt		624
227	Leu	Ala	Val	Gly	Met	Arg	Pro	Glu	Cys	Val	Val	Pro	Glu	Asn	Gln	Cys		
228		195					200					205						
230	gcg	atg	aag	cgg	cgc	gaa	aag	aag	gcc	cag	aag	gag	aag	gac	aaa	atg		672
231	Ala	Met	Lys	Arg	Arg	Glu	Lys	Lys	Ala	Gln	Lys	Glu	Lys	Asp	Lys	Met		
232		210				215						220						
234	acc	act	tcg	ccg	agc	tct	cag	cat	ggc	ggc	aat	ggc	agc	ttg	gcc	tct		720
235	Thr	Thr	Ser	Pro	Ser	Ser	Gln	His	Gly	Gly	Asn	Gly	Ser	Leu	Ala	Ser		
236	225				230					235					240			
238	ggt	ggc	ggc	caa	gac	ttt	gtt	aag	aag	gag	att	ctt	gac	ctt	atg	aca		768
239	Gly	Gly	Gly	Gln	Asp	Phe	Val	Lys	Lys	Glu	Ile	Leu	Asp	Leu	Met	Thr		
240				245					250					255				
242	tgc	gag	ccg	ccc	cag	cat	gcc	act	att	ccg	cta	cta	cct	gat	gaa	ata		816
243	Cys	Glu	Pro	Pro	Gln	His	Ala	Thr	Ile	Pro	Leu	Leu	Pro	Asp	Glu	Ile		
244				260					265					270				
246	ttg	gcc	aag	tgt	caa	gcg	cgc	aat	ata	cct	tcc	tta	acg	tac	aat	cag		864
247	Leu	Ala	Lys	Cys	Gln	Ala	Arg	Asn	Ile	Pro	Ser	Leu	Thr	Tyr	Asn	Gln		
248		275						280					285					
250	ttg	gcc	gtt	ata	tac	aag	tta	att	tgg	tac	cag	gat	ggc	tat	gag	cag		912
251	Leu	Ala	Val	Ile	Tyr	Lys	Leu	Ile	Trp	Tyr	Gln	Asp	Gly	Tyr	Glu	Gln		
252		290				295					300							
254	cca	tct	gaa	gag	gat	ctc	agg	cgt	ata	atg	agt	caa	ccc	gat	gag	aac		960
255	Pro	Ser	Glu	Glu	Asp	Leu	Arg	Arg	Ile	Met	Ser	Gln	Pro	Asp	Glu	Asn		
256	305				310				315					320				
258	gag	agc	caa	acg	gac	gtc	agc	ttt	cgg	cat	ata	acc	gag	ata	acc	ata		1008
259	Glu	Ser	Gln	Thr	Asp	Val	Ser	Phe	Arg	His	Ile	Thr	Glu	Ile	Thr	Ile		
260				325					330					335				

RAW SEQUENCE LISTING

DATE: 10/11/2001

PATENT APPLICATION: US/09/042,488A

TIME: 12:42:09

Input Set : A:\Sal520-2.app

Output Set: N:\CRF3\10112001\I042488A.raw

```

262 ctc acg gtc cag ttg att gtt gag ttt gct aaa ggt cta cca gcg ttt 1056
263 Leu Thr Val Gln Leu Ile Val Glu Phe Ala Lys Gly Leu Pro Ala Phe
264          340          345          350
266 aca aag ata ccc cag gag gac cag atc acg tta cta aag gcc tgc tcg 1104
267 Thr Lys Ile Pro Gln Glu Asp Gln Ile Thr Leu Leu Lys Ala Cys Ser
268          355          360          365
270 tcg gag gtg atg atg ctg cgt atg gca cga cgc tat gac cac agc tcg 1152
271 Ser Glu Val Met Met Leu Arg Met Ala Arg Arg Tyr Asp His Ser Ser
272          370          375          380
274 gac tca ata ttc ttc gcg aat aat aga tca tat acg cgg gat tct tac 1200
275 Asp Ser Ile Phe Phe Ala Asn Asn Arg Ser Tyr Thr Arg Asp Ser Tyr
276          385          390          395          400
278 aaa atg gcc gga atg gct gat aac att gaa gac ctg ctg cat ttc tgc 1248
279 Lys Met Ala Gly Met Ala Asp Asn Ile Glu Asp Leu Leu His Phe Cys
280          405          410          415
282 cgc caa atg ttc tcg atg aag gtg gac aac gtc gaa tac gcg ctt ctc 1296
283 Arg Gln Met Phe Ser Met Lys Val Asp Asn Val Glu Tyr Ala Leu Leu
284          420          425          430
286 act gcc att gtg atc ttc tcg gac cgg ccg ggc ctg gag aag gcc caa 1344
287 Thr Ala Ile Val Ile Phe Ser Asp Arg Pro Gly Leu Glu Lys Ala Gln
288          435          440          445
290 cta gtc gaa gcg atc cag agc tac tac atc gac acg cta cgc att tat 1392
291 Leu Val Glu Ala Ile Gln Ser Tyr Tyr Ile Asp Thr Leu Arg Ile Tyr
292          450          455          460
294 ata ctc aac cgc cac tgc ggc gac tca atg agc ctc gtc ttc tac gca 1440
295 Ile Leu Asn Arg His Cys Gly Asp Ser Met Ser Leu Val Phe Tyr Ala
296          465          470          475          480
298 aag ctg ctc tcg atc ctc acc gag ctg cgt acg ctg ggc aac cag aac 1488
299 Lys Leu Leu Ser Ile Leu Thr Glu Leu Arg Thr Leu Gly Asn Gln Asn
300          485          490          495
302 gcc gag atg tgt ttc tca cta aag ctc aaa aac cgc aaa ctg ccc aag 1536
303 Ala Glu Met Cys Phe Ser Leu Lys Leu Lys Asn Arg Lys Leu Pro Lys
304          500          505          510
306 ttc ctc gag gag atc tgg gac gtt cat gcc atc ccg cca tcg gtc cag 1584
307 Phe Leu Glu Glu Ile Trp Asp Val His Ala Ile Pro Pro Ser Val Gln
308          515          520          525
310 tcg cac ctt cag att acc cag gag gag aac gag cgt ctc gag cgg gct 1632
311 Ser His Leu Gln Ile Thr Gln Glu Glu Asn Glu Arg Leu Glu Arg Ala
312          530          535          540
314 gag cgt atg cgg gca tcg gtt ggg ggc gcc att acc gcc ggc att gat 1680
315 Glu Arg Met Arg Ala Ser Val Gly Gly Ala Ile Thr Ala Gly Ile Asp
316          545          550          555          560
318 tgc gac tct gcc tcc act tcg gcg gcg gca gcc gcg gcc cag cat cag 1728
319 Cys Asp Ser Ala Ser Thr Ser Ala Ala Ala Ala Ala Ala Gln His Gln
320          565          570          575
322 cct cag cct cag ccc cag ccc caa ccc tcc tcc ctg acc cag aac gat 1776
323 Pro Gln Pro Gln Pro Gln Pro Gln Ser Ser Leu Thr Gln Asn Asp
324          580          585          590
326 tcc cag cac cag aca cag ccg cag cta caa cct cag cta cca cct cag 1824

```

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/042,488A

DATE: 10/11/2001

TIME: 12:42:10

Input Set : A:\Sa1520-2.app

Output Set: N:\CRF3\10112001\I042488A.raw

L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:1417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:1435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

Kaushal, Sumesh

From: Kaushal, Sumesh
Sent: Thursday, October 11, 2001 02:40 PM
To: STIC-Biotech/ChemLib
Subject: FW: Interference and SEQUENCE Search for 09/042488

Dear Sir/Madam: Please send a paper copy of SEQ-search report

09/042488

Title: METHOD FOR MODULATING EXPRESSION OF EXOGENOUS GENES IN MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
Inventor: EVANS, RONALD M.

ERROR (S) IN CRF CORRECTED BY STIC

Interference and SEQUENCE Search for 09/042488

SEQ ID NO: 5

THANKS.!

Sumesh Kaushal
CM1 12A07 AU1633
Ph: 703-305-6838